

and vertical when placed on a base, for example on a table, and a video call can be continued by releasing the grip, wherein the hands are released for other use. At the same time, the display and the camera are directed to the user. In this position, the display presents, for different purposes, e.g. an electronic calendar, a web site or an electronic still image photographed with a camera as a screensaver or in a way resembling a frame. The handle part also supports the horizontal device in a tilted position, which makes it easier to read the display.

[0011] According to a preferred embodiment, the mechanism for moving the camera changes the orientation of the image sensor automatically when the device is opened. In one case, the image sensor will automatically follow also the user, e.g. by focusing on a detector fixed on the user. The orientation of the camera can also be changed by programming or manually, e.g. by using a 4-directional navigation key in the handle part. The orientation of images, text and other information on the display can be preferably changed in at least two positions rotated 90° in relation to each other. Thus, the opened device can be used in both the vertical and the horizontal position according to the preference of the user or the alternative which is advantageous in view of the application to be run in the device or in view of the information displayed on the display.

[0012] According to an advantageous embodiment, the electronic displays located in the two different housing parts are placed adjacent to each other in the opened device, forming a display area which is as seamless and uniform as possible. The display area is slightly folded, but it is preferably substantially planar. This makes it possible to display larger units than one display at one time. Placed on the side of the displays, also adjacent, are also the stereo speakers of the device, for example on both sides of the displays.

[0013] The hinge mechanism of the device places the housing parts next to each other, and also the total width of the device can be reduced when the housing parts, placed against each other, are moved thereby partly into the handle-like housing part. The displays are protected between the housing parts. The hinge system can be hidden behind the housing parts and inside the handle part, and it comprises a mechanism which automatically opens and preferably also unfolds the device. By means of the hinge system, the point of revolution of the housing parts can be placed right at the edge of the inner walls, facilitating the implementation of various integrated foldable displays.

[0014] Also in the closed position, the PDA/CMT device is held by the handle part, wherein it is also provided with an electronic display, for example for selecting telephone numbers from a list to be scrolled on the display. A telephone number is selected and a call is started and terminated by using control buttons, a navigation key or the like in the handle part. The earpiece of the phone is placed in the upper part of the opening housing part, and the microphone is placed in the lower part.

[0015] The PDA/CMT device is preferably a flat device comprising two designed and substantially parallel side surfaces. A flat side surface is formed by the outer side of one opening housing part as well as the side surface of the handle part, separated by the hinge seam. The opening housing parts, placed against each other, are located on opposite sides of the device, next to the handle part. The

handle part and the other housing parts are preferably stationary in relation to each other when the device is in the closed position.

[0016] In one advantageous embodiment, the upper part of the handle part is provided with the viewfinder of an electronic camera. In the closed device, the image sensor of the camera is oriented in the same direction as the viewfinder. Taking of an electronic image is controlled by control buttons in the handle part. The display of the handle part is also used as the display for the camera.

[0017] In one embodiment, it is also possible to connect to the device a wirelessly operating headset device comprising one or more earpieces and a headset. The device can be used e.g. as a hands-free device. According to another advantageous embodiment, these are also used for listening to music which is transmitted from the PDA/CMT device in digital format in a wireless manner. The music is stored in the memory means of the device and/or it is transmitted to the device by using a wireless communication network. The functions are controlled by using the above-mentioned keys or buttons in the handle part. The headset device can also be equipped with a control unit comprising e.g. a display and keys. According to an advantageous embodiment, the device is controlled in a wireless manner by means of the headset control unit.

[0018] In the following, the invention will be described in more detail by using as an example an electronic PDA/CMT communication device according to a preferred embodiment. In this context, reference is made to the appended drawings, in which:

[0019] FIG. 1 shows an electronic device according to a preferred embodiment of the example, particularly a PDA/CMT device in a closed position and seen from the left hand side,

[0020] FIG. 2 shows the device of FIG. 1 in a closed position and seen from the right hand side,

[0021] FIG. 3 shows the device of FIG. 1 in a semi-open position in a perspective view, seen from the rear left side and sloping downwards, and

[0022] FIG. 4 shows the device of FIG. 1 in an open position in a perspective view, seen from the front left side and sloping downwards, and

[0023] FIG. 5 shows the device of FIG. 1 in an opened horizontal position and seen from the front,

[0024] FIG. 6 shows the device of FIG. 1 in a closed position and seen from above,

[0025] FIG. 7 shows the device of FIG. 1 in a closed position and seen from above.

[0026] With reference to FIGS. 1 and 2, a communication device 1, in the following description also called device 1, comprises in the use position a horizontal handle-like housing part 2 comprising a substantially even side surface 21. The housing part 2 is arranged for holding the device 1 in the user's palm. A side surface 22 with a substantially identical shape is located on the opposite side of the housing part 2, i.e. the handle part 2, and the device 1. FIG. 2 also illustrates the user's grip to hold the device 1. In FIGS. 1 and 2, the device 1 is shown in a closed position (CMT use position), but the device 1 is held in a corresponding manner when it